F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	AS BUILT
9	ARIZ.	F-035-1(8)	2	190	

087 GI 202

MIDPOINT OF PROJECT

Central Zone

State Plane Coordinates

X = 140,000
Y = 1,090,000

DESIGN DATA

1990 ADT = 7,350
2010 ADT = 14,350
Min Design Speed = 60 MPH

LENGTH OF PROJECT

NORTHBOUND

Sta 1441 + 84.36 to 1539 + 91.87 Bk = 9,807.51'
Sta 1540 + 03.52 Ahd to 1642 + 24.97 Bk = 10,221.45'
Sta 135 + 39.21 Ahd to 193 + 05.10 = 5,765.89'
Gross & Net Length = 25,794.85' - 4.89 Miles
Mile Post 231.29 to 236.18

SOUTHBOUND

Sta 1442 + 00.00 to 1539 + 55.34 = 9,755.34'
Sta 1540 + 03.52 Ahd to 1627 + 68.35 Bk = 8,764.83'
Sta 124 + 88.79 Ahd to 180 + 68.51 = 5,579.72'
Gross & Net Length = 24,099.89' - 4.56 Miles
Mile Post 231.02 to 235.58

LOOP DETECTOR TRAFFIC COUNTER SYSTEM

Std TS 7-3

Location	No. of Installations
NB 1505 + 55	1 (2-loops)
SB 1506 + 62	1 (2-loops)

EARTHWORK QUANTITIES

Roadway Excavation	1,252,270 CY
Shrink	9,871 CY
Embankment (Including Ground Comp.)	1,185,625 CY
Waste	56,774 CY

EARTHWORK FACTORS

Station	Shrink/Swell	Ground Compaction
NB 1441 + 84 to 1485 + 25	15% Shrink	0.10 '
NB 1485 + 25 to 1494 + 62	10% Shrink	0.10 '
NB 1494 + 62 to 1542 + 42	15% Shrink	0.10 '
NB 1542 + 42 to 139 + 78	10% Shrink	0.20 '
NB 139 + 78 to 193 + 10	Even	0.20 '
SB 1442 + 00 to 1507 + 54	5% Shrink	0.20 '
SB 1507 + 54 to 1568 + 09	5% Shrink	0.10 '
SB 1568 + 09 to 1598 + 55	5% Shrink	0.20 '
SB 1598 + 55 to 1611 + 32	15% Shrink	0.20 '
SB 1611 + 32 to 125 + 89	Even	0.20 '
SB 125 + 89 to 180 + 70	Even	0.15 '

CUT SLOPE EXCEPTION TABLE

Station	Side	Slope Control
NB 1473 + 00 to 1479 + 50	Both	4:1
NB 1479 + 50 to 1515 + 25	Right	6:1 (Daylight)
NB 1537 + 75 to 1542 + 50	Right	4:1
NB 1586 + 25 to 1630 + 25	Both	3:1
NB 133 + 50 to 162 + 36	Both	6:1 (Daylight)
SB 1445 + 50 to 1472 + 25	Left	3:1
SB 1485 + 75 to 1510 + 50	Both	4:1
SB 1515 + 25 to 1530 + 25	Right	6:1 (Daylight)
SB 1602 + 75 to 150 + 75	Right	4:1

FILL SLOPE EXCEPTION TABLE

Station	Side	Slope Control
NB 1479 + 50 to 1515 + 25	Left	4:1
NB 1537 + 75 to 1542 + 50	Left	4:1
NB 162 + 50 to 164 + 25	Left	4:1 - 6:1
SB 1445 + 50 to 1472 + 25	Right	2:1
SB 1505 + 50 to 1525 + 75	Both	6:1
SB 1525 + 75 to 1528 + 75	Both	6:1 - C-02.10
SB 150 + 25 to 175 + 25	Right	4:1

SOIL VALUES

Station	pH	Resistivity	Station	pH	Resistivity
SB 1442 + 25 to 1482 + 49	8.0	520	NB 1442 + 43 to 1496 + 24	7.2	800
SB 1482 + 50 to 1494 + 99	7.4	820	NB 1496 + 25 to 1530 + 31	8.0	760
SB 1495 + 00 to 1517 + 29	7.4	520	NB 1530 + 32 to 1546 + 10	7.4	1280
SB 1517 + 30 to 1536 + 21	7.6	580	NB 1546 + 11 to 1622 + 70	7.2	1000
SB 1536 + 22 to 142 + 75	7.3	600	NB 1662 + 71 to 152 + 64	7.3	680

INDEX OF SHEETS

GENERAL NOTES

The roadway plans have been designed utilizing the 1989 Construction Standard Drawings (C-Series), and current revisions.

The project roadway shall be striped by contractor forces in accordance with the current edition of the Signing and Marking Standard Drawings (M&S-Series) and striping plans.

The new pavement shoulders shall be grooved in accordance with Std C-09.10.

Changes in location or length of spillway installation may be made by the Engineer to improve drainage conditions.

Survey Monuments in median shall not be disturbed.

Bench Markers will be furnished by the State, and placed by the contractor. Std C-21.20.

R/W Markers shall be furnished and placed by the contractor, as directed by the Engineer. Std C-21.10.

For R/W information not shown, see Right-of-Way project No. F-035-1(9).

For Superelevation information not shown, see Drawing Series D-56 in the Roadway Design Guides for use in Office and Field - 1986.

The average project elevation is 4,500'.

	NAME	DATE
DESIGN	T MACBETH	10-90
DRAWN	M HAUER	10-90
CHECKED	R DELANO	12-90
TEAM LEADER	J BRUBAKER	

ARIZONA DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY PLANS SERVICES

DESIGN SHEET

ROUTE SR 87 LOCATION SUNFLOWER - MAZATZAL

SHEET 1 OF 2

STD P-02.10

DATE	LOCATION	REVISIONS	FINISHED PLANS	SURVEY NO.

CCCCCDGNCSPECIFICATIONCCCCC
CCCCCSYSTIMECCCCC
VIEW NAME:

TRACS NO. H0000 01 C

___ OF ___